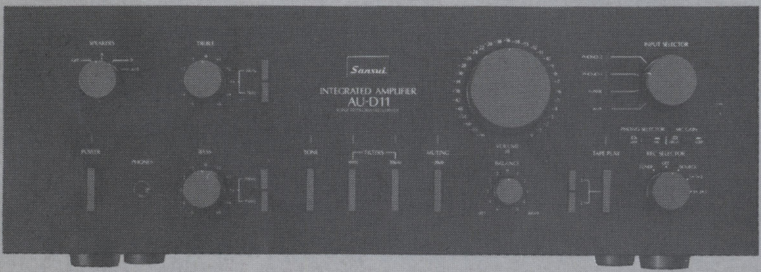
SERVICE MANUAL

INTEGRATED AMPLIFIER

SANSUI AU-D11



Sansui

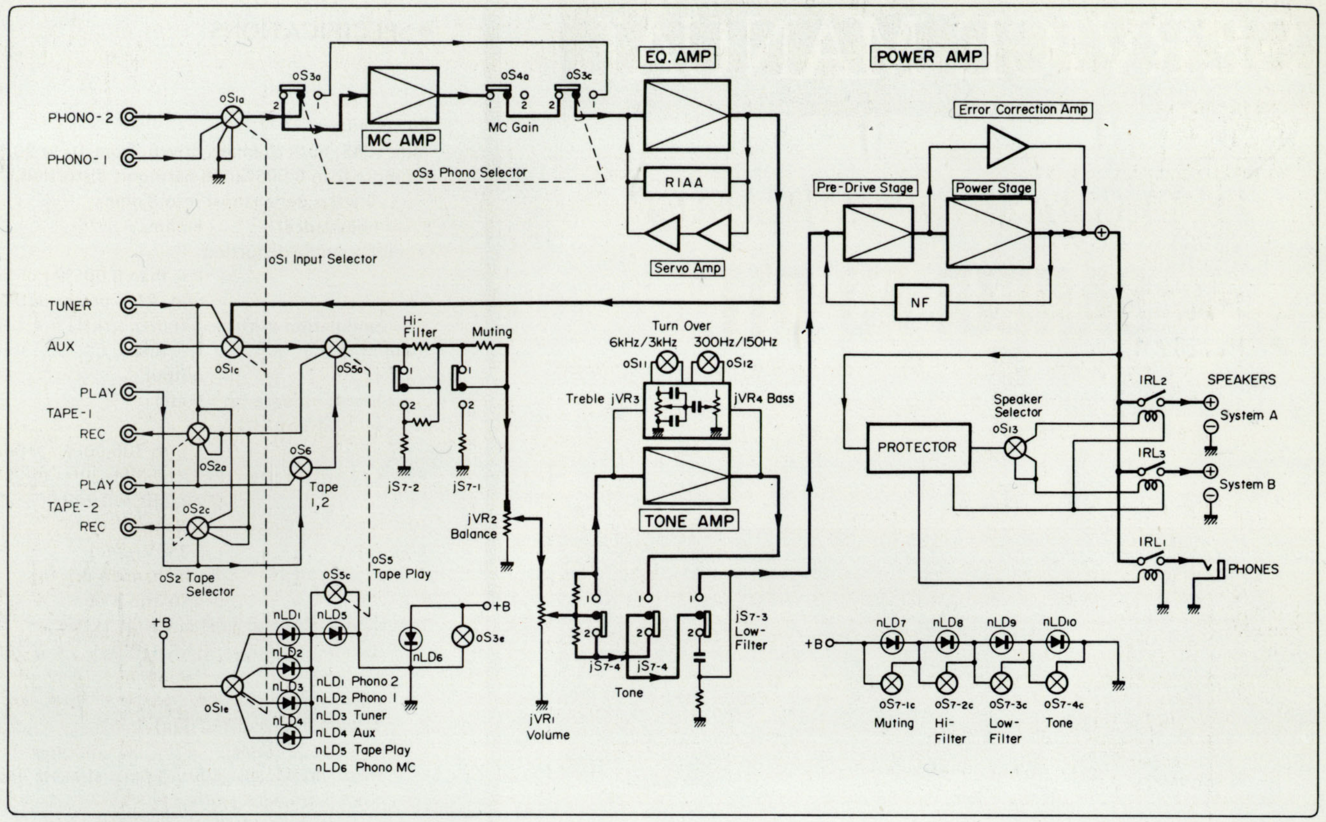
SANSUI ELECTRIC CO., LTD.

• SPECIFICATIONS

Power output
Min. RMS, both channels driven, from 10 to 20,000 Hz, with no more than 0.005%total harmonic distortion.
120 watts per channel into 8 ohms
Load impedance . . . . 8 ohms
Total harmonic distortion
. . . . less than 0.005%at or below rated min. RMS power output
Intermodulation distortion (60Hz : 7kHz = 4:1 SMPTE method) . . . . less than 0.005%at rated power output
Frequency response (at 1 watt)
Overall (from AUX)
. . . . DC to 300,000Hz, +0dB, −3.0dB
RIAA curve deviation (PHONO-MM, 20Hz to 20kHz)
. . . . +0.2dB, −0.2dB
Rise time 0.8μsec
Slew rate . . . . ±250V/μsec
Damping factor (1kHz, both channels driven)
. . . . 150 into 8 ohms
Input sensitivity and impedance (at 1kHz)
PHONO-1, 2 (MC) . HIGH 100μV/LOW 200μV/ 100 ohms
(Max. input capability: 13mV at 1kHz, less than 0.01% total harmonic distortion)
PHONO-1, 2 (MM) . 2.5mV/47 kilohms
(Max. input capability: 200mV at 1kHz, less than 0.01% total harmonic distortion)
AUX, TUNER, TAPE PLAY-1, 2
. . . . 250mV/27 kilohms
Output leveland impedance (1,000Hz)
TAPE REC-1, 2 . . . 250mV into 47 kilohms/600 ohms
Channel separation (1kHz, at rated power output)
PHONO-1, 2 (MC) . 50dB
PHONO-1, 2 (MM) . 60dB
AUX, TUNER, TAPE PLAY-1, 2
. . . . 80dB
Signal to noise ratio (short-circuit, A-network)
PHONO-1, 2 (MC) . 74dB
PHONO-1, 2 (MM) . 90dB
AUX, TUNER, TAPE PLAY-1, 2
. . . . 110dB
Controls
BASS . . . . +8dB, −8dB at 50Hz
Tone selector . . . 150Hz, 300Hz
TREBLE . . . . . . +8dB, −8dB at 15kHz
Tone selector . . . 3kHz, 6kHz
Filter
16Hz . . . . −3dB at 16Hz (6dB/oct)
20kHz . . . . −3dB at 20kHz (6dB/oct)
MUTING . . . . . . −20dB
Power requirements
Power voltage 110, 120, 220, 240V (50/60Hz)
For U.S.A. & Canada
. . . . 120V (60Hz)
Power consumption
Rated consumption
. . . . 600 watts
Dimensions . . . . 445mm (17-9/16") W
163mm (6-7/16") H
443mm (17-1/2") D
Weight . . . . 17.5kg (38.5lbs) net
18.8kg (41.4lbs) packed

* **Design and specifications subject to changes without notice for improvements.**

1. BLOCK DIAGRAM


PHONO-2
PHONO-1
oS1a
oS3a
MC AMP
oS4a
MC Gain
oS3c
oS3 Phono Selector
EQ. AMP
RIAA
Servo Amp
POWER AMP
Error Correction Amp
Pre-Drive Stage
Power Stage
NF
oS1 Input Selector
TUNER
AUX
oS1c
Hi-Filter
Muting
oS5a
PLAY
TAPE-1
REC
oS2a
oS6
Tape 1,2
PLAY
TAPE-2
REC
oS2c
oS2 Tape Selector
jS7-2
jS7-1
jVR2 Balance
oS5 Tape Play
oS5c
Turn Over
6kHz/3kHz
300Hz/150Hz
oS11
oS12
Treble jVR3
jVR4 Bass
TONE AMP
jS7-4
Tone
jS7-3 Low-Filter
jVR1 Volume
PROTECTOR
Speaker Selector
oS13
IRL2
IRL3
IRL1
SPEAKERS
System A
System B
PHONES
+B
nLD1
nLD2
nLD3
nLD4
nLD5
nLD6
oS3e
oS1e
nLD1 Phono 2
nLD2 Phono 1
nLD3 Tuner
nLD4 Aux
nLD5 Tape Play
nLD6 Phono MC
nLD7
nLD8
nLD9
nLD10
oS7-1c Muting
oS7-2c Hi-Filter
oS7-3c Low-Filter
oS7-4c Tone

2. ADJUSTMENT

Notes:
1. Before adjusting, set the unit in horizontally.
2. Master Volume . . . . . . Minimum
3. Room Temperature . . . 18°C ~ 28°C (65°F ~ 83°F)
4. For this adjustment, run the unit for more than 3 minutes after the power is switched ON.

2-1. F-3380 MC Head Amp Circuit Adjustment (See Fig. 2-2)

STEP	SUBJECT	MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
1	DC 0V Adj. (Off Set Voltage, Adj.) <L-CH>	Voltage across hR4 <L-ch> (Between Point Ⓐ and Point Ⓑ (GND))	hVR1 <L-ch>, F-3380	DC 0V	Before turning ON power switch, set hVR1 center position.
2	DC 0V Adj. (Off Set Voltage, Adj.) <R-CH>	Voltage across hR4 <R-ch> (Between Point Ⓒ and Point Ⓓ (GND))	hVR1 <R-ch>, F-3380	DC 0V	

2-2. F-3262 Equalizer Circuit Adjustment (See Fig. 2-1)

STEP	SUBJECT	MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
1	Center DC 0V Adj., <L-CH>	Between Point Ⓐ (TP3) and Point Ⓑ (GND), L-ch	iVR1 <L-ch>, F-3262	DC 0V	Connect Point Ⓒ (TP1) and Point Ⓓ (TP2/GND)
2	Center DC 0V Adj., <R-CH>	Between Point Ⓔ (TP3) and Point Ⓕ (GND), R-ch	iVR1 <R-ch>, F-3262	DC 0V	Connect Point Ⓖ (TP1) and Point Ⓗ (TP2/GND)
3	DC 0V Adj. (Servo), <L-CH>	Between Point Ⓐ (TP3) and Point Ⓑ (GND), L-ch	iVR2 <L-ch>, F-3262	DC 0V	
4	DC 0V Adj. (Servo), <R-CH>	Between Point Ⓔ (TP3) and Point Ⓕ (GND), R-ch	iVR2 <R-ch>, F-3262	DC 0V	

Fig. 2-1

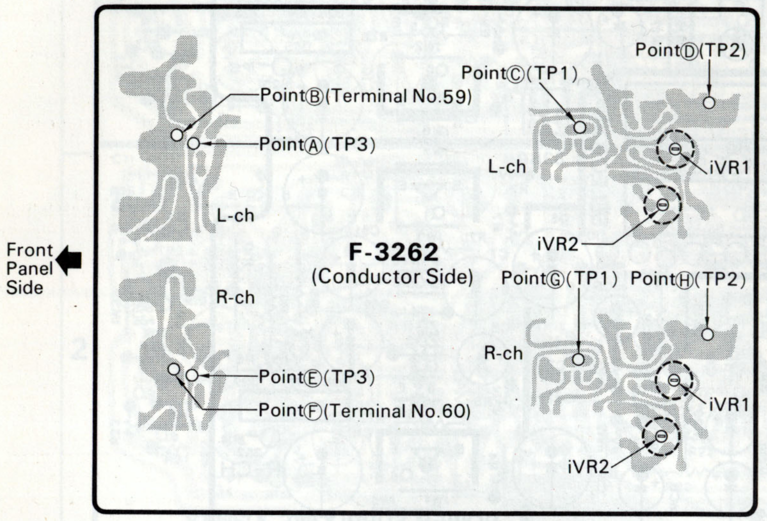
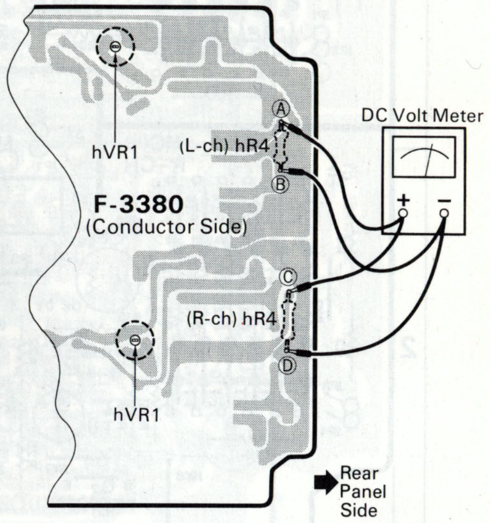
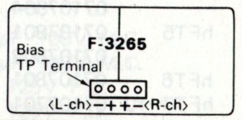

Point Ⓓ (TP2)
Point Ⓒ (TP1)
Point Ⓑ (Terminal No.59)
Point Ⓐ (TP3)
L-ch
iVR1
L-ch
iVR2
Front Panel Side
F-3262
(Conductor Side)
Point Ⓖ (TP1)
Point Ⓗ (TP2)
R-ch
R-ch
Point Ⓔ (TP3)
Point Ⓕ (Terminal No.60)
iVR1
iVR2

Fig. 2-2


DC Volt Meter
hVR1
(L-ch) hR4
Ⓐ
Ⓑ
F-3380
(Conductor Side)
+
−
Ⓒ
(R-ch) hR4
Ⓓ
hVR1
Rear Panel Side

2-3. F-3262, F-3265 Power Amp. Circuit Adjustment (See Top View on page 8)

STEP	SUBJECT	MEASURE OUTPUT	ADJUST	ADJUST FOR	REMARKS
1	Center DC 0V Adj. <L-CH>	Speaker Terminal <L-ch>	kVR1 <L-ch>, F-3263	DC 0V	Before turning ON power switch, set kVR1 to center position.
2	Center DC 0V Adj. <R-CH>	Speaker Terminal <R-ch>	kVR1 <R-ch>, F-3263	DC 0V	
3	Bias Current Adj. <L-CH>	TP Terminal ⊕ and ⊖ of F-3265	kVR2 <L-ch>, F-3265	6 ± 1mV	Before turning ON power switch, turn kVR2 counter-clockwise. This bias current adjustment value into voltage by Ohm's law.  Bias TP Terminal F-3265 ‹L-ch›−++−‹R-ch›
4	Bias Current Adj. <R-CH>	TP Terminal ⊕ and ⊖ of F-3265	kVR2 <R-ch>, F-3265	6 ± 1mV	

◆ **Notes when replacing FETs on F-3380**

- There are four kinds of FET, ranks 2SK170 (P-type) and 2SJ74 (N-type) on F-3380, MC Head Amp Circuit Board. When replacing some of FETs, use same rank of the 2SK170 and 2SJ74 as a pair per channel. Also, total quantities of FETs per one channel are determined depending upon the respective FET ranks having slightly different gain (gm).

- **Total quantities of 2SK170 and 2SJ74 per one channel due to different ranks**

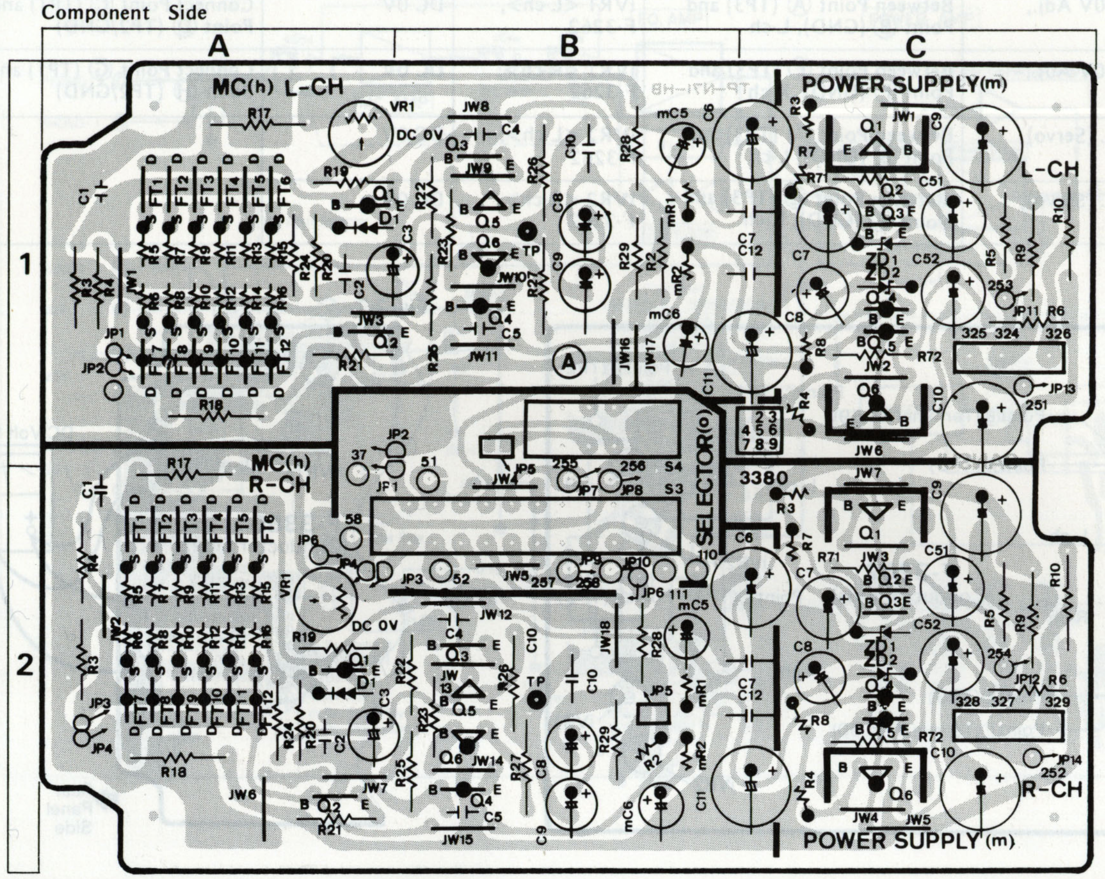
Rankings	TTL QTY (per one channel)	Stock No.	
		2SK170 (P type)	2SJ74 (N type)
GR2, GR3	6	07107801	07107701
BL1, BL2	5	07107802	07107702
BL3, BL4	5	07107803	07107703
V1	4	07107804	07107704

3. PARTS LOCATION & PARTS LIST

●Since some of capacitors and resistors are omitted from parts lists in this Service Manual, refer to the Common Parts List for capacitors & resistors, which was appended previously to Sansui Manual.

3-1. F-3380 MC Head Amp. Circuit Board (Stock No. 07088801)

Component Side



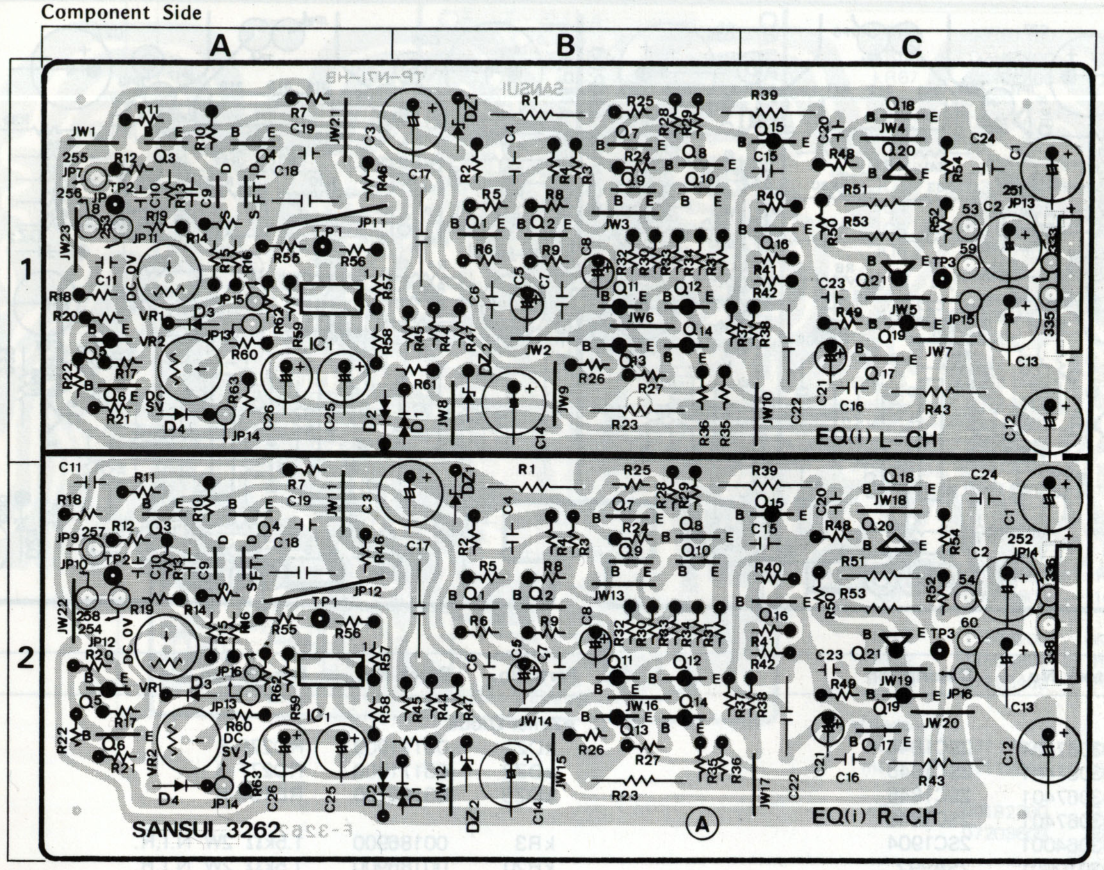
Parts List

Parts No.	Stock No.	Description
●Transistor		
hQ1	03011701	2SA991
hQ2	03068501	2SC1844
hQ3	03067401	2SC1845
hQ4	03010901	2SA992
hQ5	03066801	2SC2071
hQ6	03010301	2SA939
●FET		
hFT1 ~ 4	07107801	2SK170 GR2, GR3
	07107802	2SK170 BL1, BL2
	07107803	2SK170 BL3, BL4
	07107804	2SK170 V1
hFT5	07107801	2SK170 GR2, GR3
	07107802	2SK170 BL1, BL2
hFT6	07107801	2SK170 GR2, GR3
hFT7~10	07107701	2SJ74 GR2, GR3
	07107702	2SJ74 BL1, BL2
	07107703	2SJ74 BL3, BL4
	07107704	2SJ74 V1
hFT11	07107701	2SJ74 GR2, GR3
	07107702	2SJ74 BL1, BL2
hFT12	07107701	2SJ74 GR2, GR3
●Varistor		
hD1	03401500	MV-12
hD2	03401500	MV-12
hR17	00180200	150Ω 1W N.I.R.
hR18	00180200	150Ω 1W N.I.R.

Parts No.	Stock No.	Description
hC2	00411900	0.15μF 250V P.C.
hC4	00371700	33pF 125V P.C.
hC5	00371700	33pF 125V P.C.
hC7	00409400	0.22μF 100V M.C.
hC10	00409400	0.22μF 100V M.C.
hC12	00409400	0.22μF 100V M.C.
hVR1	10341800	Semi Variable Resistor, 330Ω (B)
●Transistor		
mQ1	03084501	2SD356
mQ2	03067401	2SC1845
mQ3	03067401	2SC1845
mQ4	03010901	2SA992
mQ5	03010901	2SA992
mQ6	03032801	2SB526
●Zener Diode		
mDZ1	03162400	RD9.1E-C
mDZ2	03162400	RD9.1E-C
mR9	00184300	68Ω 1W N.I.R.
mR10	00184300	68Ω 1W N.I.R.
oS3	07219000	Push Switch

3-2. F-3262 Equalizer Amp. Circuit Board (Stock No. 07085201)

Component Side



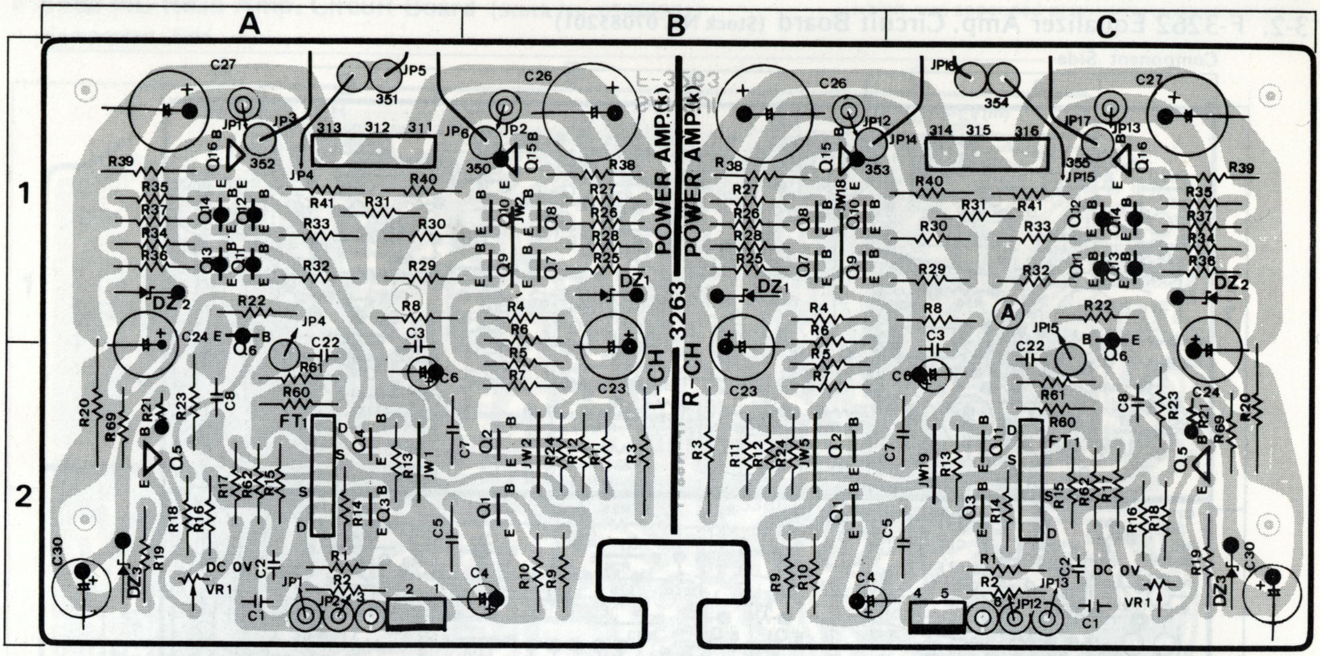
Parts List

Parts No.	Stock No.	Description
●Transistor		
iQ1	03067401	2SC1845
iQ2	03067401	2SC1845
iQ3	03067401	2SC1845
iQ4	03067401	2SC1845
iQ5	03010901	2SA992
iQ6	03067401	2SC1845
iQ7	03067401	2SC1845
iQ8	03067401	2SC1845
iQ9	03067401	2SC1845
iQ10	03067401	2SC1845
iQ11	03010901	2SA992
iQ12	03010901	2SA992
iQ13	03010901	2SA992
iQ14	03010901	2SA992
iQ15	03010901	2SA992
iQ16	03067401	2SC1845
iQ17	03067401	2SC1845
iQ18	03067401	2SC1845
iQ19	03010901	2SC1845
iQ20	03066801	2SC2071
iQ21	03010301	2SA939
●FET		
iFT1	03703500	2SK146
●IC		
iIC1	03607700	NJM4558D
●Varistor		
iD1	03401500	MV-12
iD2	03401500	MV-12

Parts No.	Stock No.	Description
●Zener Diode		
iDZ1	03164500	RD18E-B
iDZ2	03164500	RD18E-B
iR1	00179200	1kΩ 1W N.I.R.
iR19	46001100	27Ω 1/2W M.R.
iR23	00179200	1kΩ 1W N.I.R.
iR44	46008000	20kΩ 1/2W M.R.
iR45	46006900	6.8kΩ 1/2W M.R.
iR46	46005700	2.2kΩ 1/2W M.R.
iR47	46014600	100Ω 1/2W M.R.
iR52	46016400	560Ω 1/2W M.R.
iC6	00407400	0.033μF 100V M.C.
iC7	00407400	0.033μF 100V M.C.
iC9	00371200	22pF 125V P.C.
iC15	00370100	10pF 125V P.C.
iC16	00370100	10pF 125V P.C.
iC17	00415300	0.12μF 100V P.C.
iC18	00413900	0.033μF 100V P.C.
iC20	00403800	0.001μF 100V M.C.
iC22	00411600	0.047μF 400V M.C.
iC23	00403800	0.001μF 100V M.C.
iVR1	10341500	Semi Variable Resistor 100Ω (B)
iVR2	10342500	Semi Variable Resistor 4.7kΩ (B)

3-3. F-3263 Driver Amp. Circuit Board (Stock No. 07085301)

Component Side

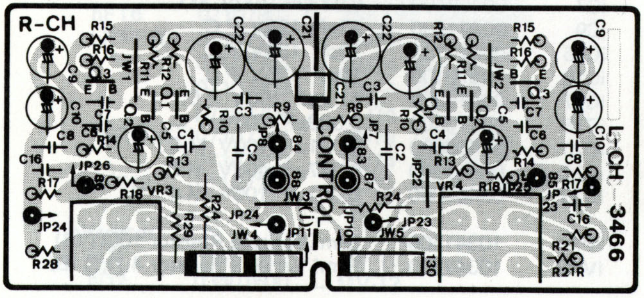


Parts List

Parts No.	Stock No.	Description
●Transistor		
kQ1	03067401	2SC1845
kQ2	03067401	2SC1845
kQ3	03067401	2SC1845
kQ4	03067401	2SC1845
kQ5	03064001	2SC1904
kQ6	03010901	2SA992
kQ7	03067401	2SC1845
kQ8	03067401	2SC1845
kQ9	03067401	2SC1845
kQ10	03067401	2SC1845
kQ11	03010901	2SA992
kQ12	03010901	2SA992
kQ13	03010901	2SA992
kQ14	03010901	2SA992
kQ15	03007901	2SA899
kQ16	03064001	2SC1904
●FET		
kFT1	07110000, 1	μPA68H L, M
●Zener Diode		
kDZ1	03171900	RD27F-B
kDZ2	03171900	RD27F-B
kDZ3	03163100	RD13E-B
kR3	00186900	1.5kΩ 2W N.I.R.
kR20	00186900	1.5kΩ 2W N.I.R.
kC1	00371200	22pF 125V P.C.
kC2	00371200	22pF 125V P.C.
kC5	00407400	0.033μF 100V M.C.
kC7	00407400	0.033μF 100V M.C.
kC8	00403800	0.001μF 100V M.C.
kC22	00371700	33pF 125V P.C.
kVR1	10335700	Semi Variable Resistor 100Ω (B), DC 0V

3-4. F-3466 Tone Control Amp. Circuit Board (Stock No. 00633701)

Component Side

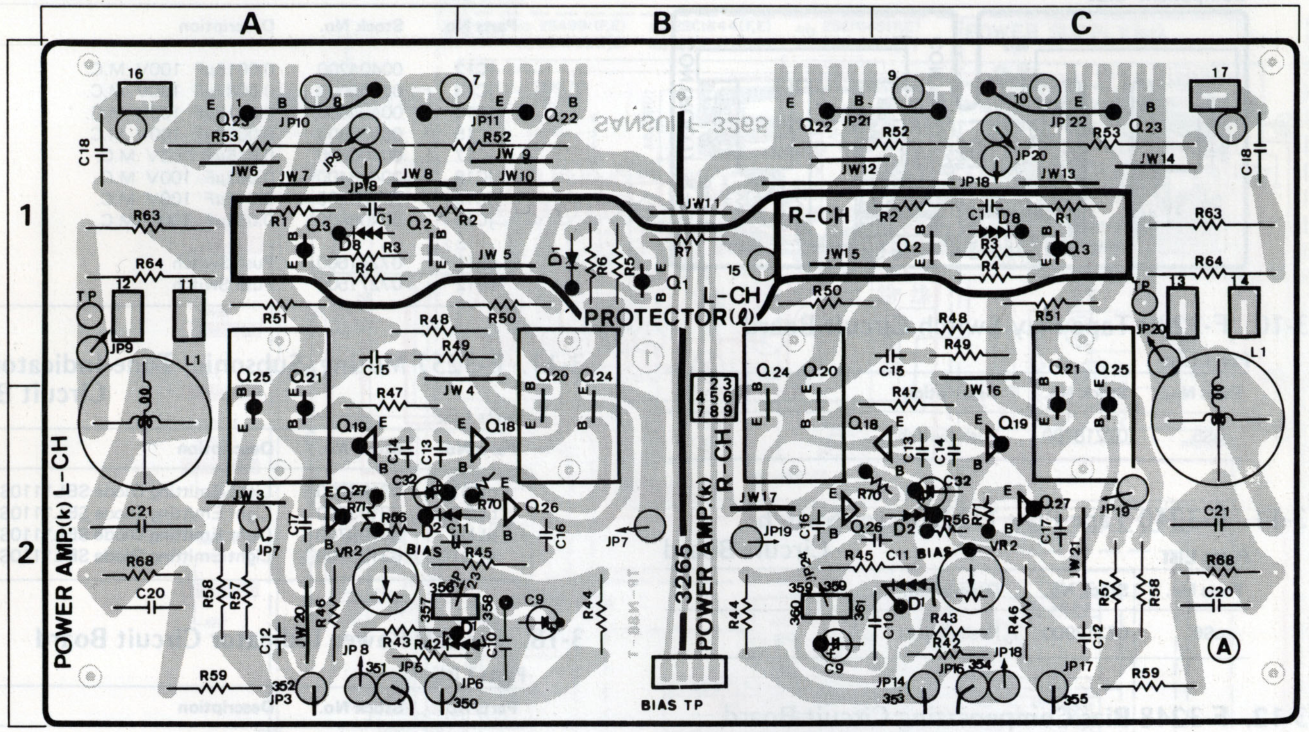


Parts List

Parts No.	Stock No.	Description
●Transistor		
jQ1	03067401	2SC1845
jQ2	03067401	2SC1845
jQ3	03010901	2SA992
jC2	00409800	0.33μF 100V M.C.
jC3	00371700	33pF 125V P.C.
jC4	00407800	0.047μF 100V M.C.
jC6	00371200	22pF 125V P.C.
jC7	00370100	10pF 125V P.C.
jC8	00407800	0.047μF 100V M.C.
jC16	00371400	27pF 125V P.C.
jVR3	07271700	Variable Resistor 100kΩ (C), bass
jVR4	07271700	Variable Resistor 100kΩ (C), treble

3-5. F-3265 Power Amp. Circuit Board (Stock No. 07091101)

Component Side



Parts List

Parts No.	Stock No.	Description
●Transistor		
kQ18	03064001	2SC1904
kQ19	03007901	2SA899
kQ20	03069301	2SC2238
kQ21	03012401	2SA968
kQ22	07156601	2SC2774LB
kQ23	07156501	2SA1170LB
kQ24	03069301	2SC2238
kQ25	03012401	2SA968
kQ26	03064001	2SC1904
kQ27	03007901	2SA899
●Varistor		
kD1	03401601, 2	STV-3H Y, G
kD2	03401500	MV-12
kR52	07221600	0.22Ω 5W Ce.R.
kR53	07221600	0.22Ω 5W Ce.R.
kR63	00187700	22Ω 2W N.I.R.
kR64	00187700	22Ω 2W N.I.R.
kR72	46012200	10Ω 1/2W M.R.
kC10	00411800	0.1μF 250V P.C.
kC11	00403800	0.001μF 100V M.C.

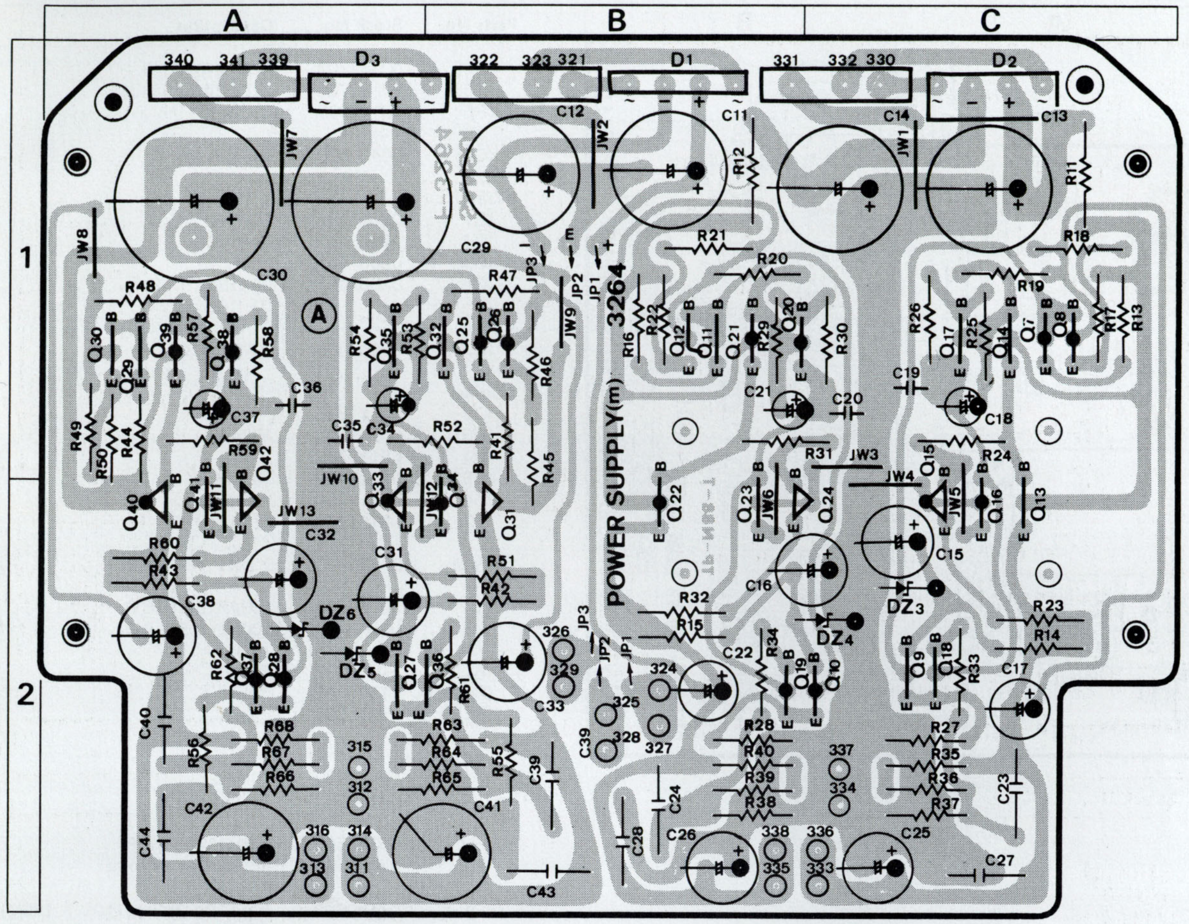
Parts No.	Stock No.	Description
kC12	00403800	0.001μF 100V M.C.
kC13	00371700	33pF 125V P.C.
kC14	00371700	33pF 125V P.C.
kC15	00405400	0.0047μF 100V M.C.
kC16	00372300	5pF 125V P.C.
kC17	00372300	5pF 125V P.C.
kC18	00411600	0.047μF 400V P.C.
kC20	00411300	0.015μF 630V P.C.
kC31	00411500	0.033μF 400V P.C.
kL1	46027200	Inductor 2.5μH
kVR2	10342100	Semi Variable Resistor 1kΩ (B), bias adj.
●Transistor		
lQ2	03064001	2SC1904
lQ3	03007901	2SA899
●Diode		
lD1	03111600	1S2473D
●Varistor		
lD8	03401700	MV-103

● Abbreviations

C.R.	Carbon Resistor	E.L.	Low Leak Electrolytic Capacitor
S.R.	Solid Resistor	E.B.	Bi-Polar Electrolytic Capacitor
Ce.R.	Cement Resistor	E.BL.	Low Leak Bi-Polar Electrolytic Capacitor
M.R.	Metal Film Resistor	Ta.C.	Tantalum Capacitor
F.R.	Fusing Resistor	F.C.	Film Capacitor
N.I.R.	Non-Inflammable Resistor	M.P.	Metalized Paper Capacitor
C.C.	Ceramic Capacitor	P.C.	Polystyrene Capacitor
C.T.	Ceramic Capacitor, Temperature Compensation	G.C.	Gimmic Capacitor
E.C.	Electrolytic Capacitor		

3-6. F-3264 Power Supply Circuit Board (Stock No. 07085401)

Component Side



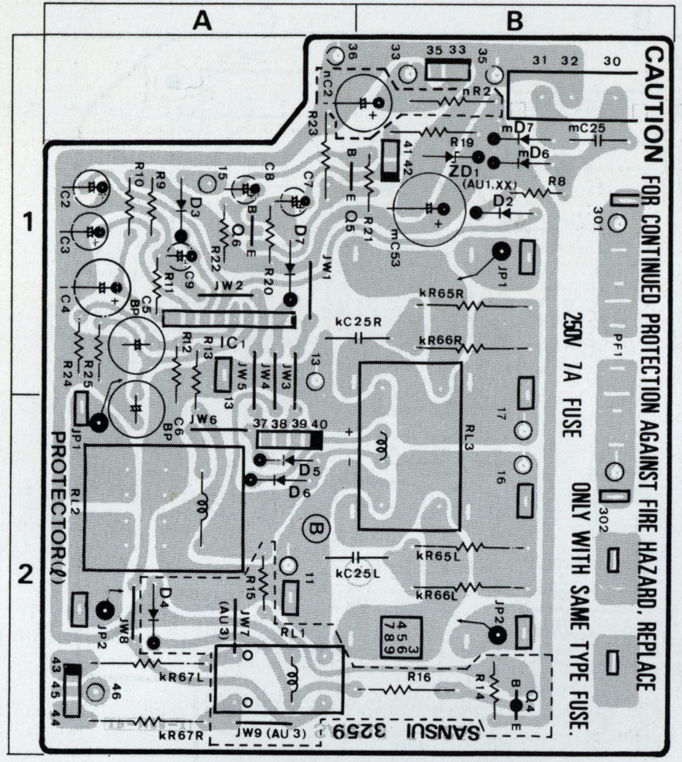
Parts List

Parts No.	Stock No.	Description
●Transistor		
mQ7	03010901	2SA992
mQ8	03010901	2SA992
mQ9	03067401	2SC1845
mQ10	03010901	2SA992
mQ11	03067401	2SC1845
mQ12	03067401	2SC1845
mQ13	03067401	2SC1845
mQ14	03067401	2SC1845
mQ15	03032800	2SB526
mQ16	03010901	2SA992
mQ17	03067401	2SC1845
mQ18	03067401	2SC1845
mQ19	03010901	2SA992
mQ20	03010901	2SA992
mQ21	03010901	2SA992
mQ22	03032801	2SB526
mQ23	03067401	2SC1845
mQ24	03084501	2SD356
mQ25	03010901	2SA992
mQ26	03010901	2SA992
mQ27	03067401	2SC1845
mQ28	03010901	2SA992
mQ29	03067401	2SC1845
mQ30	03067401	2SC1845
mQ31	03067001	2SC2168
mQ32	03067401	2SC1845
mQ33	03032801	2SB526
mQ34	03010901	2SA992
mQ35	03067401	2SC1845
mQ36	03067401	2SC1845

Parts No.	Stock No.	Description
mQ37	03010901	2SA992
mQ38	03010901	2SA992
mQ39	03010901	2SA992
mQ40	03010501	2SA958
mQ41	03067401	2SC1845
mQ42	03084501	2SD356
●Diode		
mD1	07193300	UB-152LFF
mD2	07193300	UB-152LFF
mD3	07193300	UB-152LFF
●Zener Diode		
mDZ3	03163100	RD13E-B
mDZ4	03163100	RD13E-B
mDZ5	03163100	RD13E-B
mDZ6	03163100	RD13E-B
mC23	07255800	22pF 200V M.C.
mC24	07255800	22pF 200V M.C.
mC25	07262600	100μF 50V E.C.
mC26	07262600	100μF 50V E.C.
mC27	07255800	22pF 200V M.C.
mC28	07255800	22pF 200V M.C.
mC29	07262700	470μF 100V E.C.
mC30	07262700	470μF 100V E.C.
mC39	07255800	0.22μF 200V M.C.
mC40	07255800	0.22μF 200V M.C.
mC43	07255800	0.22μF 200V M.C.
mC44	07255800	0.22μF 200V M.C.

3-7. F-3259 Protector Circuit Board (Stock No. 07084901)

Component Side


A
B
1
2
CAUTION FOR CONTINUED PROTECTION AGAINST FIRE HAZARD. REPLACE ONLY WITH SAME TYPE FUSE.
250V 7A FUSE
PROTECTOR(2)
SANSUI 3259

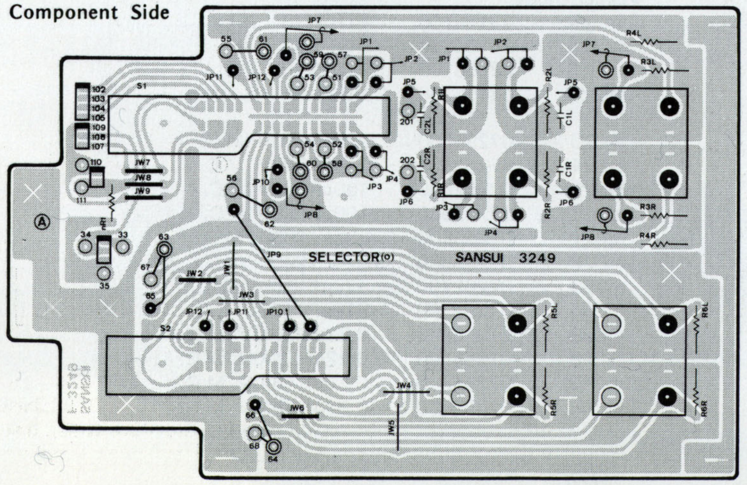
Parts List

Parts No.	Stock No.	Description
kR65	00187700	22Ω 2W N.I.R.
kR66	00187700	22Ω 2W N.I.R.
kR67	00187800	220Ω 2W N.I.R.
kC25	00411600	0.047μF 400V P.C.
●Transistor		
IQ1	03010901	2SA992
IQ4	07197001	2SA733A
IQ5	03067401	2SC1845
IQ6	03067401	2SC1845
●IC		
IIC1	03609000	HA12002
●Diode		
ID2	03111600	1S2473D
ID3	03111600	1S2473D
ID4	03117700	10E-2
ID5	03117700	10E-2
ID6	03117700	10E-2
ID7	03111600	1S2473D
IR19	00181800	2.7kΩ 1W N.I.R.
IC5	00302600	100μF 6.3V E.B.
IC6	00302600	100μF 6.3V E.B.
IRL1	11506200	Relay
IRL2	11504800	Relay
IRL3	07198400	Relay
●Diode		
mD6	07112300	10DF-2
mD7	07112300	10DF-2
nR2	00182300	3.3kΩ 1W N.I.R.
	07203600	8P Speaker Terminal
pF1	07189500	Fuse 10A 250V (110V ~ 120V)
	07189100	Fuse 5A 250V (220 ~ 240V)

- The circuit boards, F-3249, F-3467, F-3239, F-3240, F-3248, F-3250, F-3251, F-3253, F-3255, F-3257, F-3260, F-3261, F-3382 & F-3383 are not supplied as the assembled. However, the individual parts on the circuit board are provided by orders.

3-8. F-3249 Input Terminal Circuit Board

Component Side

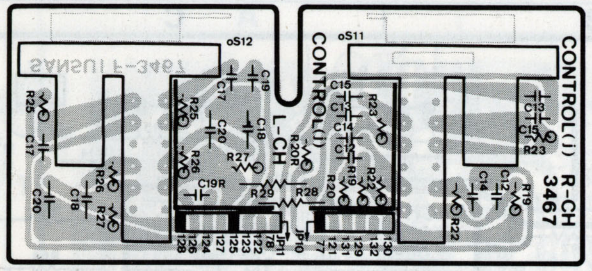


Parts List

Parts No.	Stock No.	Description
oS1	07219600	Rotary Slide Switch, input selector
oS2	07219500	Rotary Slide Switch, REC selector
	22006300	4P Input Terminal, phono
	22006200	4P Input Terminal, tuner, aux
	22006500	4P Input Terminal, tape

3-9. F-3467 Tuner-over Circuit Board

Component Side



Parts List

Parts No.	Stock No.	Description
jC12	00404200	0.0015μF 100V M.C.
jC13	00406000	0.0082μF 100V M.C.
jC14	00404000	0.0012μF 100V M.C.
jC15	00405800	0.0068μF 100V M.C.
jC17	00406600	0.015μF 100V M.C.
jC18	00408400	0.082μF 100V M.C.
jC19	00406600	0.015μF 100V M.C.
jC20	00408400	0.082μF 100V M.C.
oS11	07271600	Push Switch
oS12	07271500	Push Switch

3-10. F-3239 Tape-Play Switch Circuit Board

Parts List

Parts No.	Stock No.	Description
oS5	07218700	Push Switch

3-11. F-3240 Tape-Play 1/2 Selector Switch Circuit Board

Parts List

Parts No.	Stock No.	Description
oS6	07218900	Push Switch

3-12. F-3248 Bias Compensating Circuit Board

Parts List

Parts No.	Stock No.	Description
●Transistor		
kQ17	03067401	2SC1845

3-13. F-3250 Head Phone Jack Circuit Board

Parts List

Parts No.	Stock No.	Description
	24306000	Head Phone Jack

3-14. F-3251 Speaker Switch Circuit Board

Parts List

Parts No.	Stock No.	Description
nR1	00182300	3.3kΩ 1W N.I.R.
oS13	07219400	Rotary Switch

3-15. F-3253 Control Circuit Board

Parts List

Parts No.	Stock No.	Description
jC1	00405000	0.0033μF 100V M.C.
jC11	00408000	0.056μF 100V M.C.
jVR2	07218200	Variable Resistor 250kΩ (MN)
oS7	07271800	Push Switch

3-16. F-3255 Master Volume Circuit Board

Parts List

Parts No.	Stock No.	Description
jVR1	07218100	Variable Resistor 100kΩ x 2

3-17. F-3257 Muting, Subsonic, Tone-Indicator Circuit Board

Parts List

Parts No.	Stock No.	Description
nLD7	03193700	Light Emitting Diode SEL1110S
nLD8	03193700	Light Emitting Diode SEL1110S
nLD9	03193700	Light Emitting Diode SEL1110S
nLD10	03193700	Light Emitting Diode SEL1110S

3-18. F-3260 Power Indicator Circuit Board

Parts List

Parts No.	Stock No.	Description
	07581900	LED Holder
nLD11	03193700	Light Emitting Diode SEL1110S

3-19. F-3261 Input Mode Indicator Circuit Board

Parts List

Parts No.	Stock No.	Description
nLD1	03193700	Light Emitting Diode SEL1110S
nLD2	03193700	Light Emitting Diode SEL1110S
nLD3	03193700	Light Emitting Diode SEL1110S
nLD4	03193700	Light Emitting Diode SEL1110S
nLD5	03193700	Light Emitting Diode SEL1110S
nLD6	07246200	Light Emitting Diode SEL1710K

3-20. F-3382 Rectifier Circuit Board <L-ch>

Parts List

Parts No.	Stock No.	Description
●Diode		
mD4	07220900	UF-25S
mD5	07221000	UF-25R
mR69	00191500	6.8kΩ 2W N.I.R.
mR70	00191500	6.8kΩ 2W N.I.R.

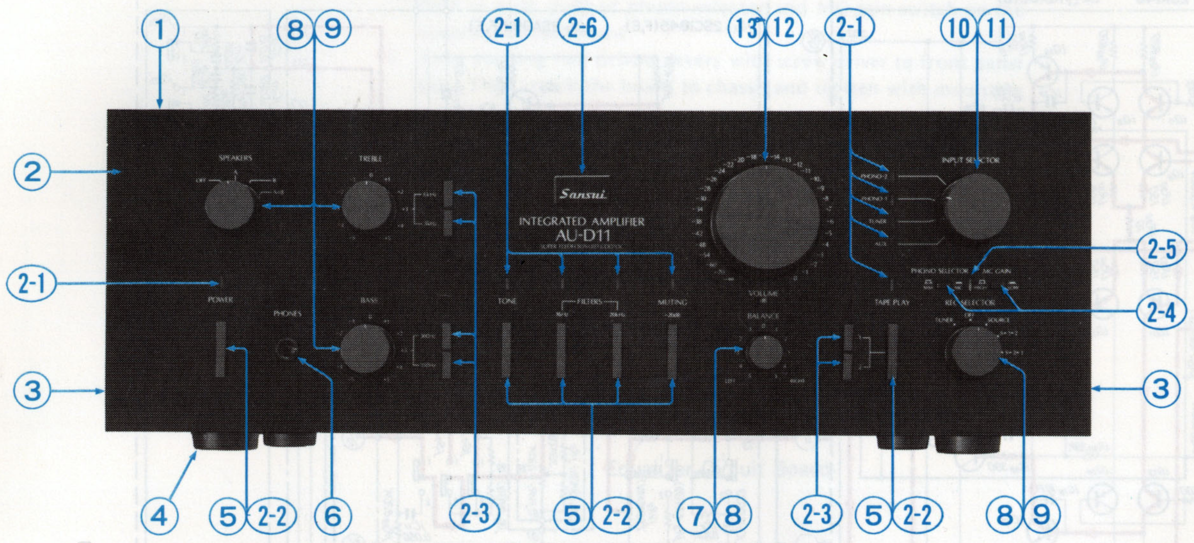
3-21. F-3383 Rectifier Circuit Board <R-ch>

Parts List

Parts No.	Stock No.	Description
●Diode		
mD4	07220900	UF-25S
mD5	07221000	UF-25R
mR69	00191500	6.8kΩ 2W N.I.R.
mR70	00191500	6.8kΩ 2W N.I.R.

4. OTHER PARTS

4-1. Front View


1
8 9
2-1
2-6
13 12
2-1
10 11
2
2-1
3
Sansui
INTEGRATED AMPLIFIER
AU-D11
2-5
2-4
3
4
5 2-2
6
2-3
5 2-2
7 8
2-3
5 2-2
8 9

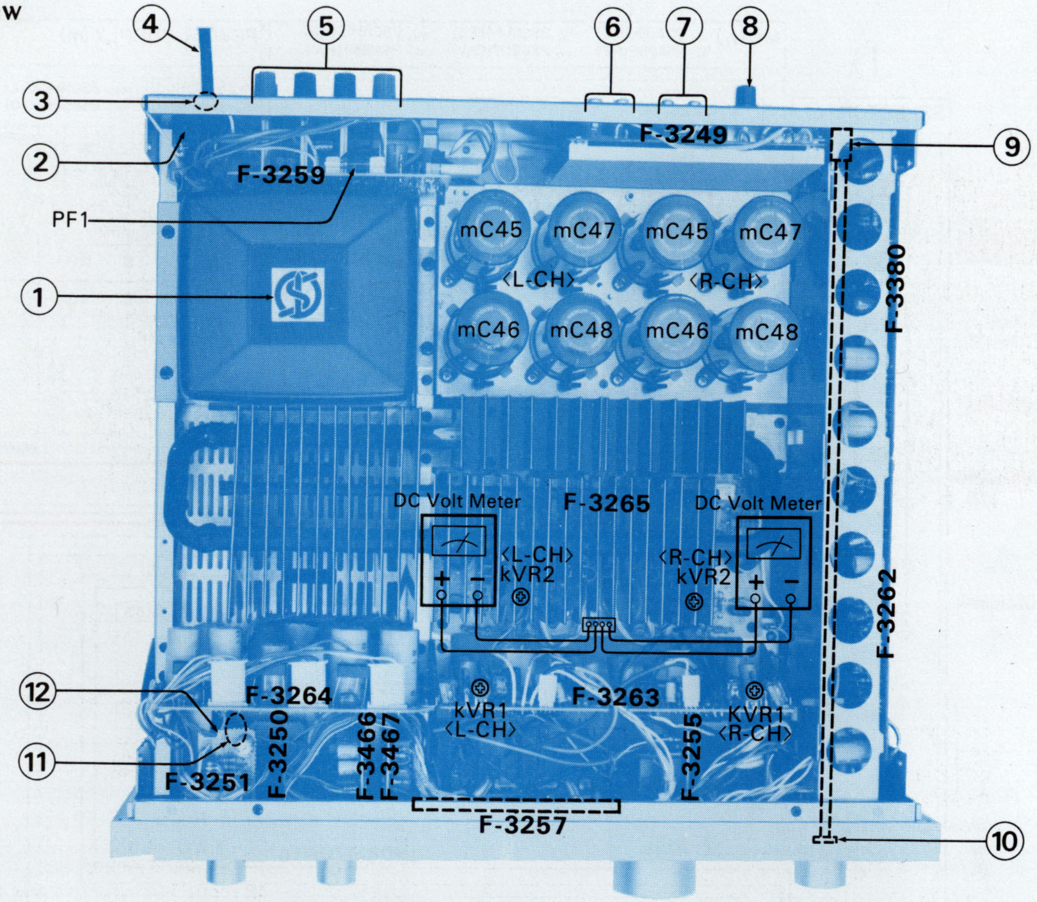
Parts List <Front View>

Parts No.	Stock No.	Description
1	07585010	Wood Bonnet
2	07575900	Front Panel Ass'y
2-1	07578000	Indicator Plate (Red)
2-2	07581200	Push Knob Guide, POWER, TONE, FILTERS, MUTING, TAPE PLAY
2-3	07578400	Push Knob Ass'y, 3kHz/6kHz, 150Hz/300Hz TAPE PLAY 1/2
2-4	71061500	Push Knob Ass'y, PHONO SELECTOR, MC GAIN
2-5	07578100	Indicator Plate (Green)
2-6	07582700	Sansui Badge
3	07571200	Panel Side Frame
4	55073500	Leg
5	07580500	Push Knob, POWER, TONE, FILTERS, MUTING, TAPE PLAY
6	24306000	Head Phone Jack
7	07521000	Knob, BALANCE
8	07595300	Masking Sheet (D), BALANCE, REC SELECTOR, BASS, TREBLE, SPEAKERS
9	07520900	Knob, REC SELECTOR, TREBLE, BASS, SPEAKERS
10	07520800	Knob, INPUT SELECTOR
11	50485300	Masking Sheet (A), INPUT SELECTOR
12	07520700	Knob, VOLUME
13	07595200	Masking Sheet (C), VOLUME

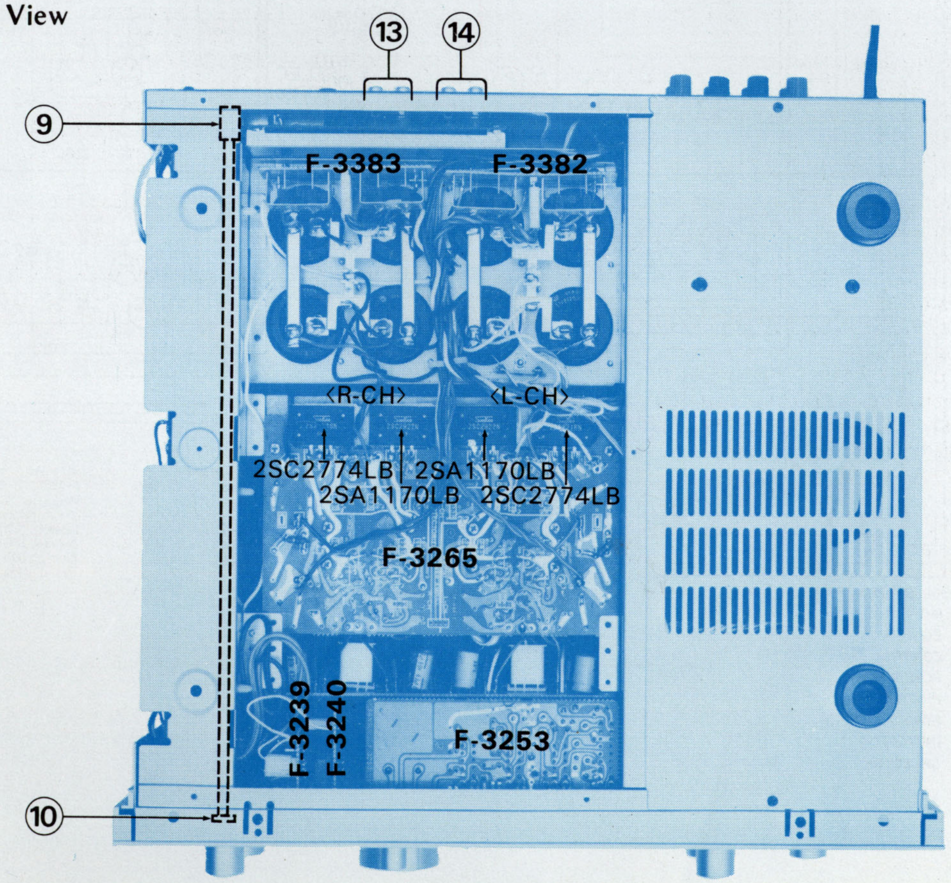
Parts List <Top, Bottom View>

Parts No.	Stock No.	Description
1	15000501	Power Transformer
2	07217500	AC Outlet
3	39106000	Strain Relief
4	38004700	Power Supply Cord
5	07203600	8P Speaker Terminal
6	22006200	4P Input Terminal, tuner, aux
7	22006300	4P Input Terminal, phono 1, 2
8	22301900	Ground Terminal
9	60460410	Coupler, joint shaft
10	63062310	Bearing Plate, joint shaft
11	00386000	0.01μF 150V C.C.
12	07259400	Push Switch, power
13	22006500	4P Input Terminal, tape 2
14	22006500	4P Input Terminal, tape 1
mC45 ~ 48	07260500	8200μF 71V E.C.
pF1	07189500 07189100	Fuse 10A 250V (110V ~ 120V) Fuse 5A 250V (220 ~ 240V)

4-2. Top View


④
⑤
⑥
⑦
⑧
③
②
F-3249
⑨
F-3259
PF1
mC45
mC47
mC45
mC47
〈L-CH〉
〈R-CH〉
①
mC46
mC48
mC46
mC48
F-3380
DC Volt Meter
F-3265
DC Volt Meter
〈L-CH〉
kVR2
〈R-CH〉
kVR2
F-3262
⑫
F-3264
kVR1
〈L-CH〉
F-3263
kVR1
〈R-CH〉
⑪
F-3250
F-3466
F-3467
F-3255
F-3251
F-3257
⑩

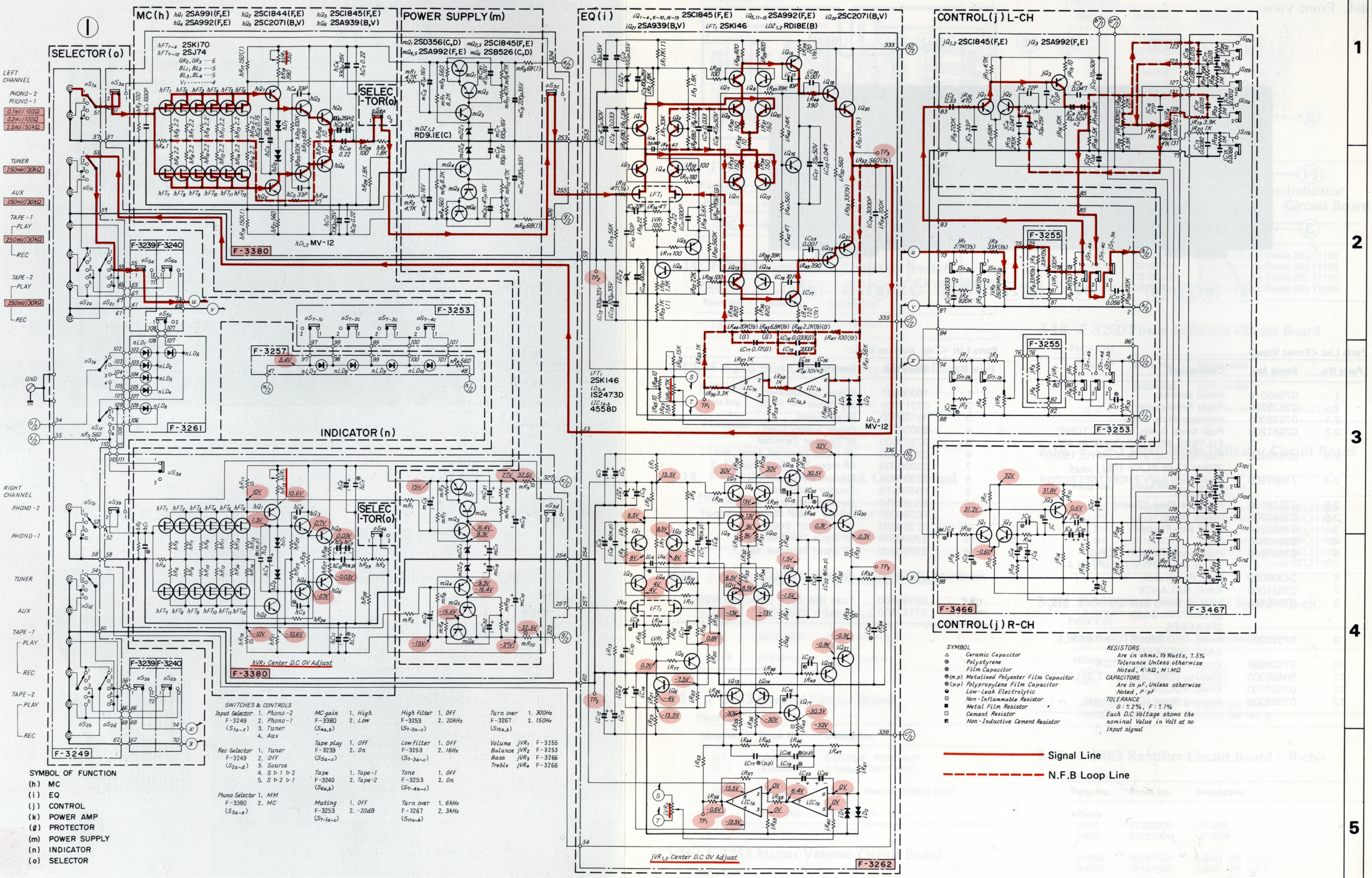
4-3. Bottom View


⑬
⑭
⑨
F-3383
F-3382
〈R-CH〉
〈L-CH〉
2SC2774LB
2SA1170LB
2SA1170LB
2SC2774LB
F-3265
F-3239
F-3240
F-3253
⑩

5. SCHEMATIC DIAGRAM

5-1. Pre Amp. Section

- Design and specifications subject to change without notice for improvement.
- La présentation et les spécifications sont susceptibles d'éter modifiées sans préavis par suites d'améliorations éventuelles.
- Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.


A
B
C
D
E
F
G
H
1
2
3
4
5
SELECTOR (o)
LEFT CHANNEL
PHONO-2
PHONO-1
0.1mV/100Ω
0.2mV/100Ω
2.5mV/50kΩ
TUNER
250mV/30kΩ
AUX
250mV/30kΩ
TAPE-1
PLAY
250mV/30kΩ
REC
TAPE-2
PLAY
250mV/30kΩ
REC
GND
RIGHT CHANNEL
PHONO-2
PHONO-1
TUNER
AUX
TAPE-1
PLAY
REC
TAPE-2
PLAY
REC
F-3239
F-3240
F-3249
MC (h)
hQ1 2SA991(F,E)
hQ2 2SC1844(F,E)
hQ3 2SC1845(F,E)
hQ4 2SA992(F,E)
hQ5 2SC2071(B,V)
hQ6 2SA939(B,V)
hFT1~6 2SK170
hFT7~12 2SJ74
hD1,2 MV-12
F-3380
SELEC-TOR (o)
POWER SUPPLY (m)
mQ1 2SD356(C,D)
mQ2,3 2SC1845(F,E)
mQ4,5 2SA992(F,E)
mQ6 2SB526(C,D)
mDZ1,2 RD9.1E(C)
EQ (i)
iQ1~4,6~10,16~19 2SC1845(F,E)
iQ5,11~15 2SA992(F,E)
iQ20 2SC2071(B,V)
iQ21 2SA939(B,V)
iFT1 2SK146
iDZ1,2 RD18E(B)
iFT1 2SK146
iD1,2 IS2473D
iIC1a,b 4558D
MV-12
F-3262
CONTROL (j) L-CH
jQ1,2 2SC1845(F,E)
jQ3 2SA992(F,E)
F-3255
F-3253
F-3466
F-3467
CONTROL (j) R-CH
F-3253
F-3257
F-3261
INDICATOR (n)
hVR1 Center D.C 0V Adjust
jVR1,2 Center D.C 0V Adjust

SWITCHES & CONTROLS

Input Selector F-3249 ($S_{1a\sim f}$)	1. Phono-2 2. Phono-1 3. Tuner 4. Aux	MC gain F-3380 ($S_{4a,b}$)	1. High 2. Low	High filter F-3253 ($S_{7\text{-}2a\sim c}$)	1. Off 2. 20kHz	Turn over F-3267 ($S_{12a,b}$)	1. 300Hz 2. 150Hz		
Rec Selector F-3249 ($S_{2a\sim d}$)	1. Tuner 2. Off 3. Source 4. S ▷ 1 ▷ 2 5. S ▷ 2 ▷ 1	Tape play F-3239 ($S_{5a\sim c}$)	1. Off 2. On	Low filter F-3253 ($S_{7\text{-}3a\sim c}$)	1. Off 2. 16Hz	Volume Balance Bass Treble		jVR_1 jVR_2 jVR_3 jVR_4	F-3255 F-3253 F-3266 F-3266
		Tape F-3240 ($S_{6a,b}$)	1. Tape-1 2. Tape-2	Tone F-3253 ($S_{7\text{-}4a\sim c}$)	1. Off 2. On				
Phono Selector F-3380 ($S_{3a\sim e}$)	1. MM 2. MC	Muting F-3253 ($S_{7\text{-}1a\sim c}$)	1. Off 2. -20dB	Turn over F-3267 ($S_{11a\sim b}$)	1. 6kHz 2. 3kHz				

SYMBOL OF FUNCTION

(h)	MC
(i)	EQ
(j)	CONTROL
(k)	POWER AMP
(ℓ)	PROTECTOR
(m)	POWER SUPPLY
(n)	INDICATOR
(o)	SELECTOR

SYMBOL

△	Ceramic Capacitor
⊗	Polystyrene
◎	Film Capacitor
◎(m.p)	Metalized Polyester Film Capacitor
◎(p.p)	Polypropylene Film Capacitor
◒	Low-Leak Electrolytic
⊡	Non-Inflammable Resistor
■	Metal Film Resistor
□	Cement Resistor
◩	Non-Inductive Cement Resistor

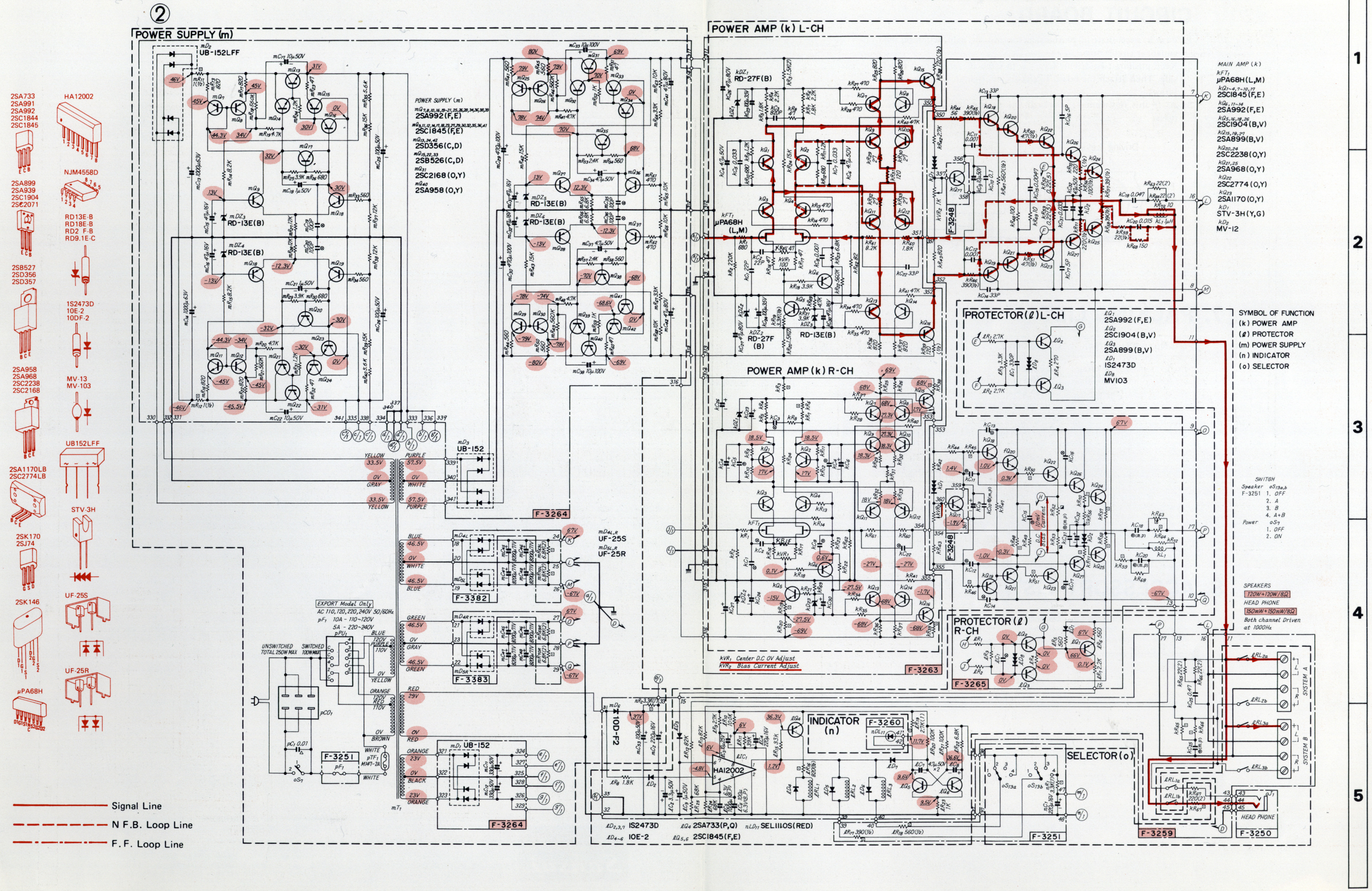
RESISTORS
Are in ohms, ⅓ Watts, ±5%
Tolerance Unless otherwise
Noted, K: kΩ, M: MΩ
CAPACITORS
Are in μF, Unless otherwise
Noted, P: pF
TOLERANCE
G: ±2%, F: ±1%
Each D.C Voltage shows the nominal Value in Volt at no input signal

━━━━	Signal Line
‐ ‐ ‐ ‐	N.F.B Loop Line

A	B	C	D	E	F	G	H

5-2. Power Amp. Section

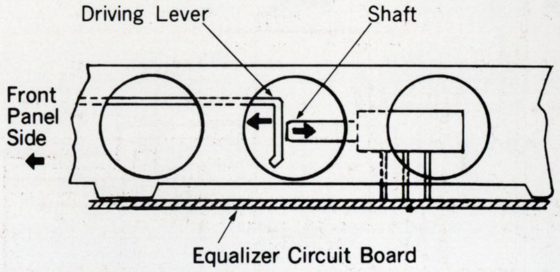
- Design and specifications subject to change without notice for improvement.
- La présentation et les spécifications sont susceptibles d'êter modifiées sans préavis par suites d'améliorations éventuelles.
- Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.


②
POWER SUPPLY (m)
POWER SUPPLY (m)
mQ7,8,9,10,16,19~21,25,26,28,34,36,38,39 2SA992(F,E)
mQ5,11,12,14,17,18,23,27,29,30,32,33,35,36,37,41 2SC1845(F,E)
mQ13,24,42 2SD356(C,D)
mQ15,22,33 2SB526(C,D)
mQ31 2SC2168(O,Y)
mQ40 2SA958(O,Y)
mD2 UB-152LFF
POWER AMP (k) L-CH
POWER AMP (k) R-CH
kFT1 µPA68H (L,M)
MAIN AMP (k)
kFT1
µPA68H(L,M)
kQ1~4,7~10,17
2SC1845(F,E)
kQ6,11~14
2SA992(F,E)
kQ5,16,18,26
2SC1904(B,V)
kQ15,19,27
2SA899(B,V)
kQ20,24
2SC2238(O,Y)
kQ21,25
2SA968(O,Y)
kQ22
2SC2774(O,Y)
kQ23
2SA1170(O,Y)
kD1
STV-3H(Y,G)
kD2
MV-12
SYMBOL OF FUNCTION
(k) POWER AMP
(ℓ) PROTECTOR
(m) POWER SUPPLY
(n) INDICATOR
(o) SELECTOR
PROTECTOR (ℓ) L-CH
ℓQ1 2SA992(F,E)
ℓQ2 2SC1904(B,V)
ℓQ3 2SA899(B,V)
ℓD1 IS2473D
ℓD8 MV103
PROTECTOR (ℓ) R-CH
SWITCH
Speaker oS13a,b
F-3251 1. OFF
2. A
3. B
4. A+B
Power oS7
1. OFF
2. ON
SPEAKERS
120W+120W/8Ω
HEAD PHONE
150mW+150mW/8Ω
Both channel Driven
at 1000Hz
kVR1 Center D.C 0V Adjust
kVR2 Bias Current Adjust
EXPORT Model Only
AC 110,120,220,240V 50/60Hz
pF1 10A - 110~120V
5A - 220~240V
UNSWITCHED TOTAL 250W MAX
SWITCHED 100W MAX
mD4L,R UF-25S
mD5L,R UF-25R
mD3 UB-152
mD7 UB-152
INDICATOR (n)
HA12002
nD6 10D-F2
ℓD2,3,7 IS2473D
ℓD4~6 IOE-2
ℓQ4 2SA733(P,Q)
ℓQ5,6 2SC1845(F,E)
nLD1 SEL1110S(RED)
SELECTOR (o)
SYSTEM A
SYSTEM B
HEAD PHONE
F-3264
F-3382
F-3383
F-3251
F-3248
F-3263
F-3265
F-3260
F-3259
F-3250
2SA733 2SA991 2SA992 2SC1844 2SC1845
HA12002
NJM4558D
2SA899 2SA939 2SC1904 2SC2071
RD13E-B RD18E-B RD2 F-B RD9.1E-C
2SB527 2SD356 2SD357
1S2473D 10E-2 10DF-2
2SA958 2SA968 2SC2238 2SC2168
MV-13 MV-103
UB152LFF
2SA1170LB 2SC2774LB
STV-3H
2SK170 2SJ74
2SK146
UF-25S
UF-25R
µPA68H
Signal Line
N F.B. Loop Line
F.F. Loop Line

1
2
3
4
5

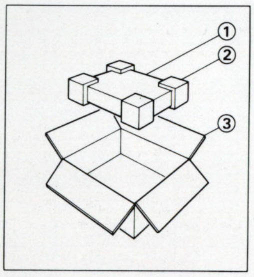
6. ATTACHMENT OF EQUALIZER CIRCUIT BOARD

1. Push in each shaft of phono selector and MC gain switch on the equalizer circuit board.
2. Keep pushing two driving levers with screw driver to front panel side. Then attach the board to chassis and tighten with mounting screws.
3. After this replacement, check if the push switch function properly.


Driving Lever
Shaft
Front Panel Side
Equalizer Circuit Board

7. PACKING LIST

Parts No.	Stock No.	Description
1	91167710	Vinyl Cover
2	07641100	Styrofoam Packing
3	07659700	Carton Case



8. ACCESSORY LIST

Stock No.	Description
07643700	Operating Instruction

AU-D11